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**United States Patent** [19]

Fenderson et al.

[11] **Patent Number:** 5,990,046[45] **Date of Patent:** \*Nov. 23, 1999[54] **HERBICIDAL COMPOSITIONS COMPRISING DIMETHENAMID [AND DIKETONE OR TRIKETONE HERBICIDES]**

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[\*] **Notice:** This patent issued on a continued prosecution application filed under 37 CFR 1.53(d), and is subject to the twenty year patent term provisions of 35 U.S.C. 154(a)(2).

[21] **Appl. No.:** 08/911,926[22] **Filed:** Aug. 15, 1997**Related U.S. Application Data**

[62] Division of application No. 08/467,364, Jun. 6, 1995, Pat. No. 5,716,901, which is a continuation of application No. 08/265,594, Jun. 23, 1994, abandoned, which is a continuation-in-part of application No. 08/236,732, May 2, 1994, Pat. No. 5,877,115, and a continuation-in-part of application No. 08/153,946, Nov. 16, 1993, abandoned, which is a continuation of application No. 08/019,386, Feb. 18, 1993, abandoned, and a continuation-in-part of application No. 08/152,066, Nov. 12, 1993, abandoned, which is a continuation of application No. 08/019,933, Feb. 19, 1993, abandoned.

[30] **Foreign Application Priority Data**

Jun. 25, 1993 [GB] United Kingdom ..... 9313210

[51] **Int. Cl.<sup>6</sup>** ..... A01N 43/10; A01N 31/06[52] **U.S. Cl.** ..... 504/129; 504/134[58] **Field of Search** ..... 504/129, 289, 504/134[56] **References Cited****U.S. PATENT DOCUMENTS**

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[57] **ABSTRACT**

Co-application of dimethenamid and a second herbicide selected from the group consisting of [with diketone or] triketone or dione herbicides and triazine herbicides provides improved herbicidal activity.

**24 [13] Claims, No Drawings**

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